Clean IT

Good morning!
We start at 10:00

Why this course?

Environment	Tools	Software
- On-premise (local)	- IDE (Integrated Development Environment)	- Python
- Cloud		- R
- Hybrid (local + cloud)		

Ubuntu download on Windows

PC

C:
└ Program files
└ Users
└ Downloads

/root
└ /home
└ ...
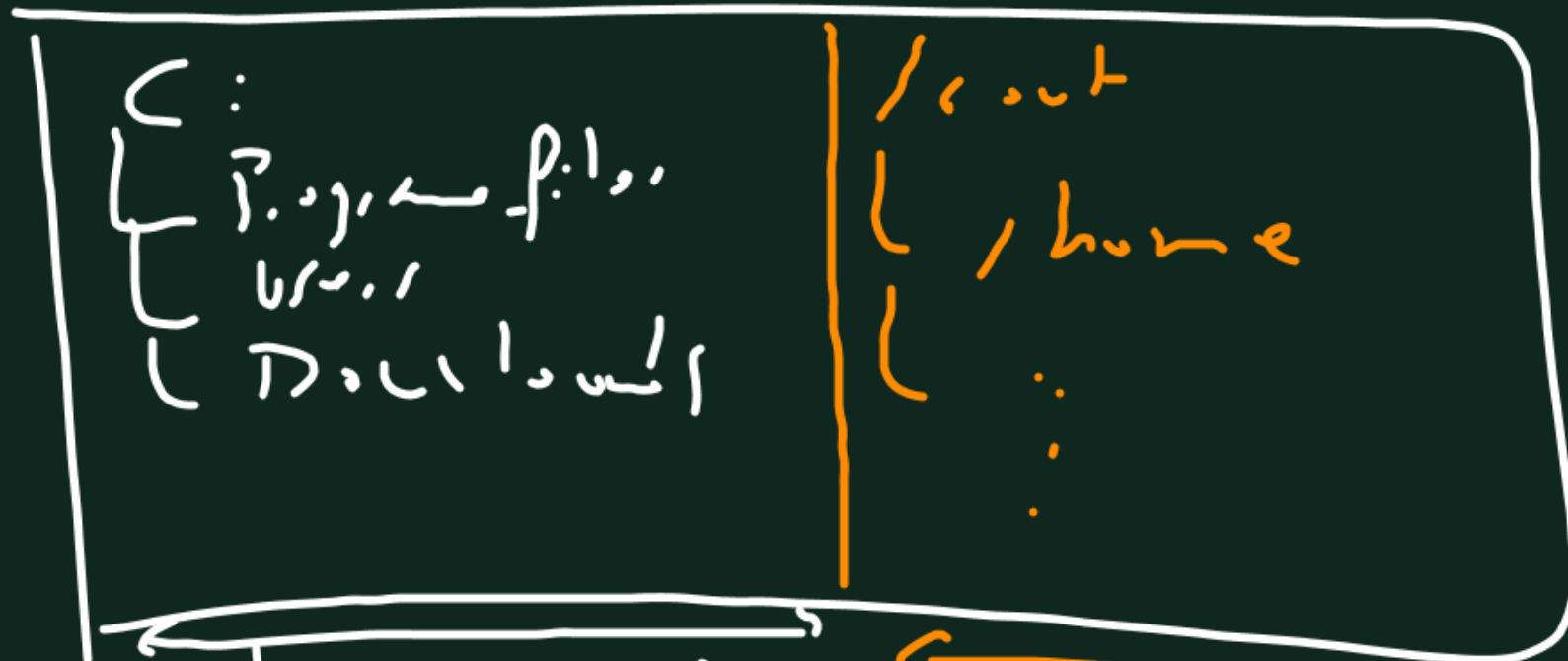
Windows 11

Ubuntu (Linux)

Cloud Intro (1)

You

Storage

- External Storage
  (hard disk, USB ...)
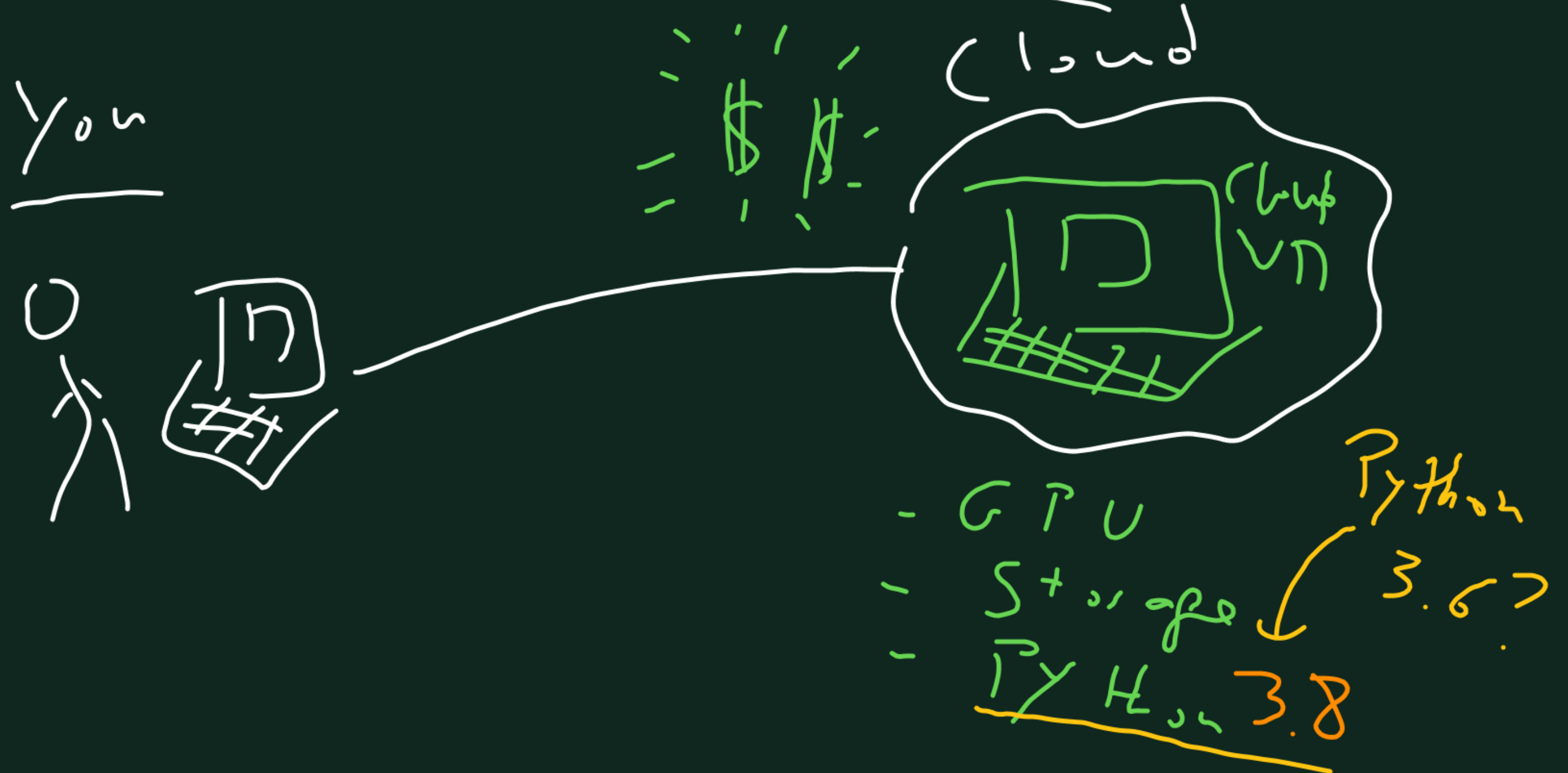- Buy a new PC (...)

Cloud Intro (2)

You

Cloud

Storage
(ex: Google Drive)

gmail

Break

Back at 11:30

Cloud Intro (3)

You

Cloud

Cloud VM

- GPU
- Storage
- PYTh.. 3.8

Python 3.6?

Cloud vs on-premise

On-premise (local)
- Secure
- Limited resources
- Accessible offline
- (Costly?)
- Hectic setup

Hybrid

Cloud?
- (Unsecure?)
- Needs network access
- Flexible resources
- (Costly?)
- No setup

Lunch

Back at 13:50

Local Setup

Why?

Loctic ...

- You are `free` ...
- You are in charge of configuration

Python Setup

Which version do I download?

THIS

Latest (Newest)

Any 1 version (doesn't matter)

All or multiple versions

Virtual Environment (1)

Python 3.12
System (PC)

Project 1
- Python 3.12
- Pandas 20

Project 2
- Python 3.12
- sklearn 7

Project 3
- Python 3.12
- Pandas 21

Virtual Environment (2)

System (PC) base

Python 3.12

VE1
- Python 3.12
- Pandas 20

VE2
- Python 3.9
- Sklearn 7

VE3
- Python 3.12
- Ponlas 19

$$\frac{\text{Break}}{\text{Back at } 15:05}$$

Local Ecosystem

Programming Languages

Tools

Python R

IDE

Virtual Environment

Environment Manager